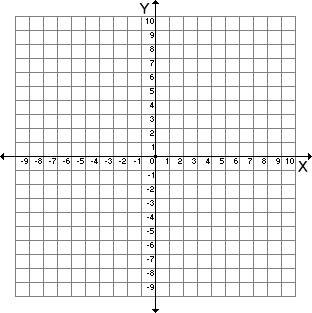
**Chapter 4 Review** Name:

1. Draw a graph that has a local minimum at 2, a local maximum at 5 and absolute minimum at -3 and an absolute maximimum at -5.



1. If a function has a degree of n, how many turning points and zeros can it have (maximum)?
2. What does it mean for a graph to be continuous?
3. What is an imaginary number? Solve  and explain how the imaginary number is used.

Identify whether each function is odd, even, or neither.

1. f(x)=x4+2x2
2. f(x)=3x5+x3-5x
3. Divide (x2-3x+5)/(x-4)
4. Find the asymptotes of

f(x)= 5x2-20

x2-4

Solve the following equations.

1. √(x+4) - 5= 3x+1
2. 2x+5 = 10

x-2